The DSC-W90 combines the power of 8.1 MP resolution and the precision of Carl Zeiss® 3X Optical zoom lens design with new hi-tech features like Face Detection to bring out the best in every face, D-Range Optimization for more detail in highlights and shadows, and in-camera retouching and red-eye reduction to improve shots you've already taken. The Sony Double Anti-Blur Solution lets you shoot sharp, clear photos in low light without flash to preserve the mood. And HD Output[1] makes photos look spectacular on HDTV screens.

- 8.1 MP Super HAD™ CCD
  With more megapixels than most digital cameras, the DSC-W90 captures greater image definition so you can make big prints and tight crops without losing detail. The advanced Sony® Super HAD™ (Hole Accumulated Diode) CCD design allows more light to pass to each pixel, increasing sensitivity and reducing noise.
- Carl Zeiss® 3X Optical Zoom Lens Design
  A top-quality Carl Zeiss® 3X Optical zoom lens design helps the DSC-W90 bring distant subjects closer and lets you frame shots quickly for better composition -- a real advantage for family sports, outdoor fun and travel photos.
- Face Detection
  By automatically controlling focus, exposure, color and flash, this new Sony feature reveals faces in shadow, makes skin tones look more natural and eliminates harsh facial glare -- to help bring out every expression on every face in every shot, so you'll capture the personalities and emotions that make memories come alive.
- The Sony Double Anti-Blur Solution
  With Super SteadyShot® Image Stabilization and high sensitivity (ISO 3200), the DSC-W90 compensates for shaky hands, minimizes blur, brightens images and allows flash-free shooting to preserve the mood -- with Sony Clear RAW™ Noise Reduction to take care of the picture noise that can ruin low-light shots.
- HD Output[1]
  Thanks to Sony, your photo album can go high-def -- with direct HD output[1] to your HDTV screen, so you can view DSC-W90 still photos in spectacular high definition clarity and detail. Your life never looked so exciting!
- HD Slide Show with Music
  It's the high-definition viewing experience that makes photos come alive on HDTV screens, accompanied by your choice of visual effects and any of four preset musical selections stored in memory or your favorite MP3 tunes downloaded from PC to your camera for use as background music.
- 9-Point Auto Focus
  Because an off-center subject can make your shot more interesting, the DSC-W90 can measure auto-focus precision at 9 points on your screen -- giving you greater creative freedom to compose your image.
- D-Range Optimization
  Powered by the exclusive Sony Bionz® high-speed processing engine, D-Range Optimization preserves image data in bright highlights and reveals more detail in shadows or backlit areas -- for great results even in difficult lighting conditions.
- In-Camera Retouching
  The DSC-W90 lets you add creative effects to photos after you shoot -- including soft edge filter to soften backgrounds, cross filter to place starry "dazzles" at highlight points, partial color filter to mute surrounding colors, even fish-eye filter to create interesting fish-eye lens effects.
- In-Camera Red-Eye Reduction
  Irritating "glowing eyes" can ruin even the most creative photos -- so the DSC-W90 provides in-camera correction at the touch of a button to reduce lingering red-eye effect that other systems might miss.
- Large 2.5"[2] LCD Screen
  The DSC-W90 provides a large, bright LCD screen for composing shots, checking results, sharing your photos on location -- and an optical viewfinder allows shooting in traditional rangefinder camera style.
- Simple Setup Controls
  A quick press of the Home button opens your user-friendly GUI -- and you can select functions by simply moving a cursor vertically or horizontally to the appropriate icon. Function names and the on-screen Function Guide display make it easier to learn camera setup operations.
- 31 MB Internal Memory
  The DSC-W90 allows you to capture a large number of images without a flash memory card, so it's great for traveling or for quick candid snapshots.
- Memory Stick Duo™ Media Convenience
  A built-in slot accepts optional Memory Stick Duo™ media or Memory Stick PRO Duo™ media -- the compact, high-capacity storage media that make it easily to upload photos to your computer or make lab-quality prints at home on your Sony Picture Station™ digital printer (sold separately).
- 15X Smart Zoom® Feature[4]
  The Sony Smart Zoom® feature intelligently "crops into" the central portion of interest in your photo, avoiding the image degradation of other digital zooms.
- MPEG Movie VX Fine Mode
  Captures VGA (640 x 480) audio/video clips at high frame rate (up to 30 frames per second[5]), with length limited only by the capacity of your media.
- Stamina® Battery Power
  The DSC-W90 provides up to 350 shots [3] with a fully charged NP-BG1 Lithium Ion battery -- enough shooting capacity to cover a long weekend or a whole vacation.

ADDITIONAL FEATURES

- Picture Motion Browser Software

Specifications

General

Megapixel: 8.1 MP

Imaging Device: 1/2.5" Super HAD™ CCD

Recording Media: 31MB internal Flash Memory, optional Memory Stick® DUO Media, optional Memory Stick DUO PRO™ Media

Convenience

White Balance: Automatic, Cloudy, Daylight, Fluorescent 1, Fluorescent 2, Fluorescent 3, Incandescent, Flash

Self Timer: Yes (10 seconds, 2 seconds, Off)

Memory Stick PRO™ Media Compatibility: Tested to support up to 8GB Memory Stick DUO PRO™ media capacity[1]; does not support Access Control security function.

Still Image Mode(s): Normal, Burst, Bracket Exposure

Red-Eye Reduction: Yes (On/Off all modes)

Burst Mode: Max 100 Shots at 2.2fps (All resolutions)

Erase/Protect: Yes/Yes

Date/Time Stamp: No/ No

Media/Battery Indicator: Yes/Yes

Color Mode(s): Black & White, Natural, Sepia, Vivid

Convenience Features

Real Imaging Processor™ Technology: N/A

AF Illuminator Light: Yes

PictBridge Compatible: Yes

Multi-Pattern Measuring: Yes

SteadyShot® Image Stabilization: Yes

Scene Mode(s): Beach, High Sensitivity, Landscape, Snow, Soft Snap, Twilight, Twilight Portrait

Movie Mode(s): MPEG VX Fine with Audio (640x480 at 30fps) (MPEG VX Fine requires Memory Stick DUO PRO™ media), MPEG VX Standard with Audio (640x480 at 16fps), Presentation (320 x 240 at 8fps)

Power Save Mode: Yes (after approx. 3 min. of inactivity)

In-Camera Editing: Red-eye reduction, soft edge filter, cross filter, partial color filter, fish-eye filter

Inputs and Outputs

Accessory Terminal: N/A

Audio/Video Output(s): Yes via Mutli-Use Connector

USB Port(s): Yes (Supports USB 2.0[5])

HD Output: Yes (1080i)

Hardware

LCD: 2.5"[2] (115K Pixels TFT LCD Screen)

Viewfinder: Optical

Lens Construction: 6 Elements in 5 Groups, 3 Aspheric Elements

Microphone/Speaker: Yes/ Yes

Lens Type: Carl Zeiss® Vario-Tessar®

Docking Station: Yes, via optional HD Cradle

Operating Conditions

Flash Effective Range: ISO 3200:(W)21'-11/16" (6.6m);(T) 12'-6" (3.8m)

Flash Mode(s): Auto, Forced On, Forced Off, Slow Synch

Optics/Lens

Focal Length: 5.8 - 17.4mm

35mm Equivalent: 35 - 105mm

Focus: 9-Area Multi-Point AF, Center AF, Spot AF

Aperture Range: Auto, f2.8-8(W)/f5.2-14.8(T)

Shutter Speed: 1/4-1/1600 sec. (Auto), 1-1/1600 sec. (Program Auto)

Exposure Compensation: ±2.0 EV, 1/3 EV Step Increments

ISO: Auto, 100, 200, 400, 800, 1600, 3200

Filter Diameter: N/A

Smart Zoom® Technology: Up to 5.8X (5MP), 4.8X (3MP), 5.1X (16:9 2MP) 15.3X (VGA Resolution)[4]

Optical Zoom: 3X

Macro Mode: Yes

Total Zoom: 6X

Minimum Focus Distance: 19-11/16"(50cm) Normal, 1-5/8" (4cm) Macro

Face Detection: Yes

Power

Battery Type: Lithium-Ion NP-BG1

Battery Capacity: 3.6V, 960 mAh

Service and Warranty Information

Limited Warranty: 1 Year Parts & Labor

Software

Supplied Software: Windows: Picture Motion Browser Vers 2.0 + USB Driver

Operating System Compatibility: Microsoft® 2000 Professional, Me, XP Home and Professional; Macintosh® OS 9.1/9.2/OS X (10.0-10.4)

Dimensions

Weight: 4.4 oz (124 g) Body; 5.5 oz. (155 g) including Battery and optional Memory Stick® DUO Media

Measurements: 3 9/16" x 2 5/16" x 7/8" (91 x 58 x 22.9 mm)

Supplied Accessories

NP-BG1 rechargeable battery

BC-CSG battery charger

A/V and USB multi-connector cables

Wrist strap

Software CD-ROM

Note: No Memory Stick® DUO media or adaptors are included.

Optional Accessories

Accessory Kit (ACC-CLGB)

Rechargeable Lithium-Ion Battery (NP-BG1)

Conversion Lens Adaptor Mount (VAD-WB)

Wide Angle Conversion Lens (VCL-DH0730)

Super Telephoto Conversion Lens (VCL-DH2630)

Telephoto Conversion Lens (VCL-DH1730)

Polarizing Kit Filter (VF-30CPKS)

External Slave Flash w/Bracket (HVL-FSL1B)

Genuine Leather Cases (LCS-TWA/TWB/TWC/TWD)

GPS Unit Kit (GPS-CS1KA)

Memory Stick Duo™ PRO (MSX-512S)

Memory Stick Duo™ PRO (MSX-1GST)

Memory Stick Duo™ PRO (MSX-2GS)

Memory Stick Duo™ PRO (MSX-M4GS)

Memory Stick Duo™ Adaptor (MSAC-M2)

Memory Stick Duo™ USB Adptr (MSAC-US40)

Color: Black

UPC Code: 027242714571

1: HD Output requires an optional Sony HD connector cable; HDTV sold separately.
2: Viewable area, measured diagonally.
3: Actual results may vary based on product settings, usage patterns, battery and environmental conditions.
4: Smart Zoom® feature will not work at highest resolution setting.
5: Shooting at high frame rate of up to 30 frames per second requires Memory Stick PRO Duo™ media.

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